GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:223
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Green Building Management Project
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Will the Minister of POWER be pleased to state:

(a) whether the Union Government has conducted any feasibility studies on introduction of Green Building and Building management projects with foreign collaboration and funding during the last three years;

(b) if so, the details thereof;

(c) whether the Union Government has introduced latest technology of LED lights and power saving technology based Building management solutions in the country;

(d) if so, the details thereof and the list of projects implemented during the last three years in the various States/UT in the country; and

(e) the details of the funds provided to such projects during this period, year-wise, State-wise?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES

(SHRI PIYUSH GOYAL)

(a) & (b) : A Memorandum of Understanding (MoU) has been signed between Bureau of Energy Efficiency (BEE), a statutory body under Ministry of Power and Green Business Certification Inc. (GBCI) a green building rating agency. Both the parties have jointly agreed on activities such as sharing of building energy data, upskilling the credential of Leadership in Energy & Environmental Design (LEED) professionals and ECBC (Energy Conservation Building Code) experts for validating greater building energy efficiency, using tools like EDGE (Excellence in Design for Greater Efficiencies) for equivalency with ECBC.

(c) : BEE has launched voluntary star labeling programme for self-ballast omni directional LED bulbs. BEE has also developed ECBC for the energy efficiency improvements in the new commercial buildings sector which includes Building Management Solutions for effective monitoring & utilization of energy resources. Under Building Energy Efficiency Project, BEE is providing technical support for energy efficient building design in which power saving through Building Management Solution is also part of the project.

Besides, Energy Efficiency Services Limited (EESL), a joint venture company of four Public Sector Undertakings (PSUs) under Ministry of Power has been implementing a programme to install LED lamps, LED Tube Lights, LED outdoor lights and other LED lights in buildings through retrofit programme since 2014-15.

(d) : List of Projects where energy efficient LED lights have been implemented by EESL is given below :-

Sl.
No. State/U.T. Year of Impleme-
ntation No. of retrofitted buildings Name of Buildings
1 Delhi 2014-15 1 NITI Aayog
2015-16 1 Union
Public Service Commission (UPSC)
2016-17 15 Rajiv Chowk & Barakhamba Metro Station/Vidyut Bhawan/Loknayak Bhawan/Transport Bhawan/Sardar Patel Bhawan/Sewa Bhawan/West Block/East Block/Nirman Bhawan/IP Bhawan/ Krishi Bhawan/Vigyan Bhawan/Pushpa Bhawan/Shastri Bhawan
2 West Bengal 2014-15 1 Bengal Chamber of Commerce & Industry (BCC& I)
2016-17 1 Coal India Limited
3 Maharashtra 2016-17 3 Dena Bank(2)/Manganese Ore India Ltd.(MOIL)
4 Karnataka 2016-17 1 IAS Association
5 Jammu & Kashmir 2016-17 2 Jammu Assembly/Jammu Secretariat
6 Uttar Pradesh 2016-17 1 Inland Waterways Authority of India (IWAI)
Total 26

Projects where power saving through Building Management Solution are currently being implemented by BEE is as follows :

â€¢ India International Institute of Democracy and Election Management (IIIDEM), Dwarka, New Delhi.

â€¢ Jupiter Hospital, Pune, Maharashtra.

(e) : No funds have been provided to EESL by the Government to implement such projects. The projects are implemented through ESCO (Energy Service Company) model (i.e. investment is done by EESL and recovered through energy saving) or Self-financing model by the building owner.

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